



# **Environmental Management System (EMS)**

**Presented by**

**Robert Provot**

**Alternate EMR, DRMS J-33**

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# Topics

- 2008 DLA EMS On-Site Verification Audits
- Tentative results of DRMO recycling data call
- 2009 draft aspects
- 2009 draft EMS objectives and targets
- Future Direction



# 2008 DLA On-Site Verification Audits

- DLA performed 8 DLA OSVAs in 2008
  - DRMS HQ
  - DSD Europe (K-town & Kastel)
  - DSD East (Norfolk & Mechanicsburg)
  - DSD Central (Oklahoma City & Texarkana)
  - DSD West (Stockton)



# 2008 DLA On-Site Verification Audits

- HQ audit identified 5 minor non-conformance
- Audits at the 7 DRMOs identified:
  - 1 major non-conformance (related to HQ activities)
  - 40 minor non-conformances (average 5.7, range 2 -9)
- All corrective actions plans submitted to DLA



# 2008 DLA On-Site Verification Audits

- 6 Areas resulted in 53% of audit findings (21/40)
  - Corrective actions (5 Nonconformance)
    - Not properly documented, closed, tracked
  - Site supplements (4 Nonconformance)
    - Document control lacking, conflict with 6050.2, not current
  - Individual Development Plans (3 Nonconformance)
    - Not current, training not documented, job ready checklists not completed



# 2008 DLA On-Site Verification Audits

- 6 Areas resulted in 53% of audit findings (21/40)
  - Obsolete Guidance (3)
    - Using downloaded/printed versions of web based guidance
  - Training records (3)
    - Training in host nation requirements, training completion tracking
  - Contractors (3)
    - Lack of documentation to confirm contractors performing per requirements, contractors unaware of EMS, completed Form 2000s not available to CV/SV contractor



# 2008 DLA On-Site Verification Audits

What to expect in 2009...

- Annual audit of DRMS HQ EMS program
- Audits at approximately 6-8 DRMOs
  - DSD Pacific in conjunction with EMR training?
  - Locations collocated with other DLA entities (DDC)?
  - Locations audited in 2006/7 audits?



# Tentative Results of DRMO Recycling Data Call

- DRMOs requested to provide information on the state of recycling and Alternate fuel vehicles
- Purpose: establish baseline information on the state of recycling within DRMS
  - Results will help respond to DOD EMS data call



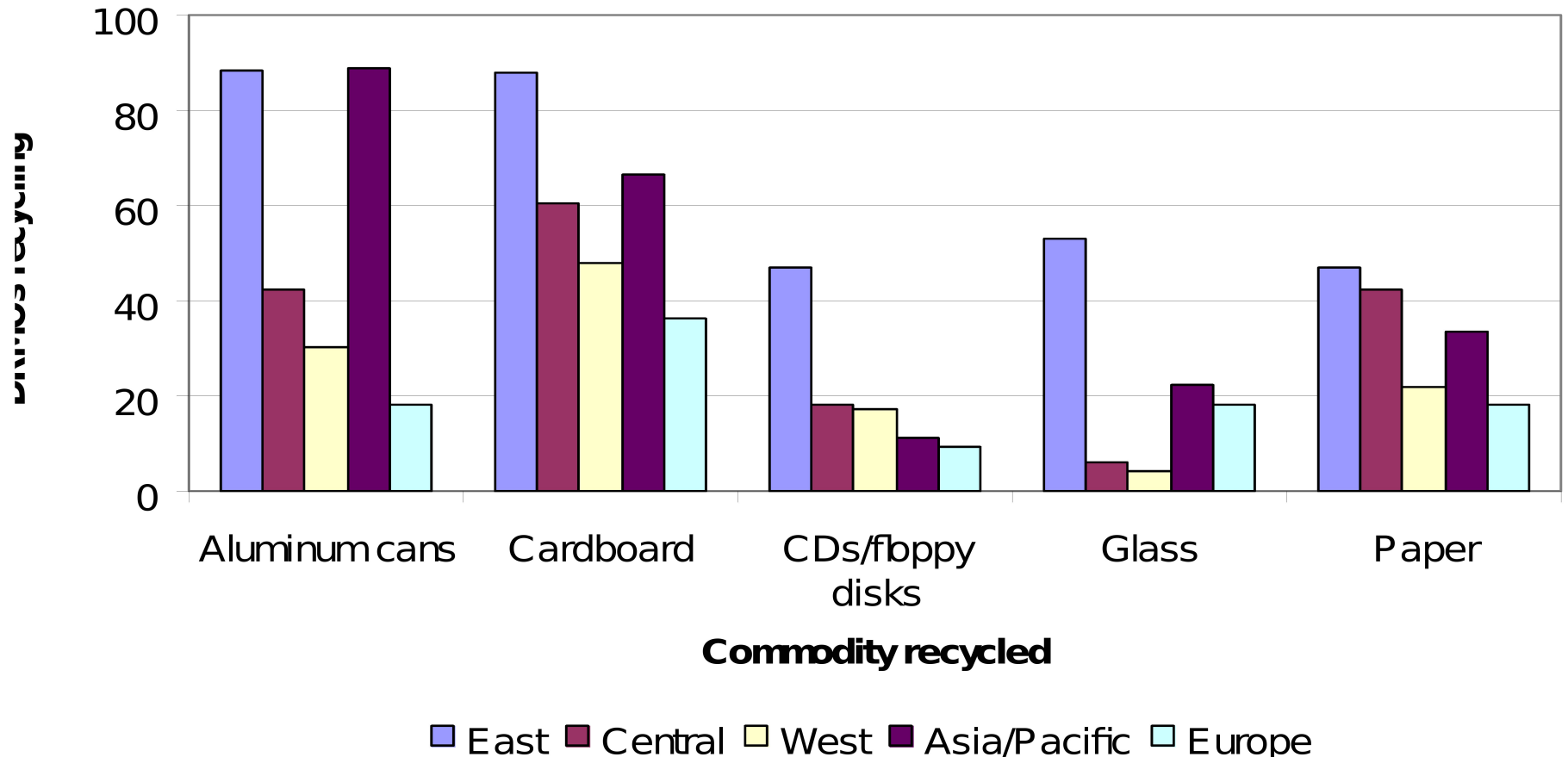


# Results of DRMO Recycling Data Call

- What were we looking for?
  - # of DRMOs recycling and what is being recycled
  - # of alternative fuel vehicles (AFVs)
  - # of DRMOs coordinating with the host on water, energy and electricity conservation projects

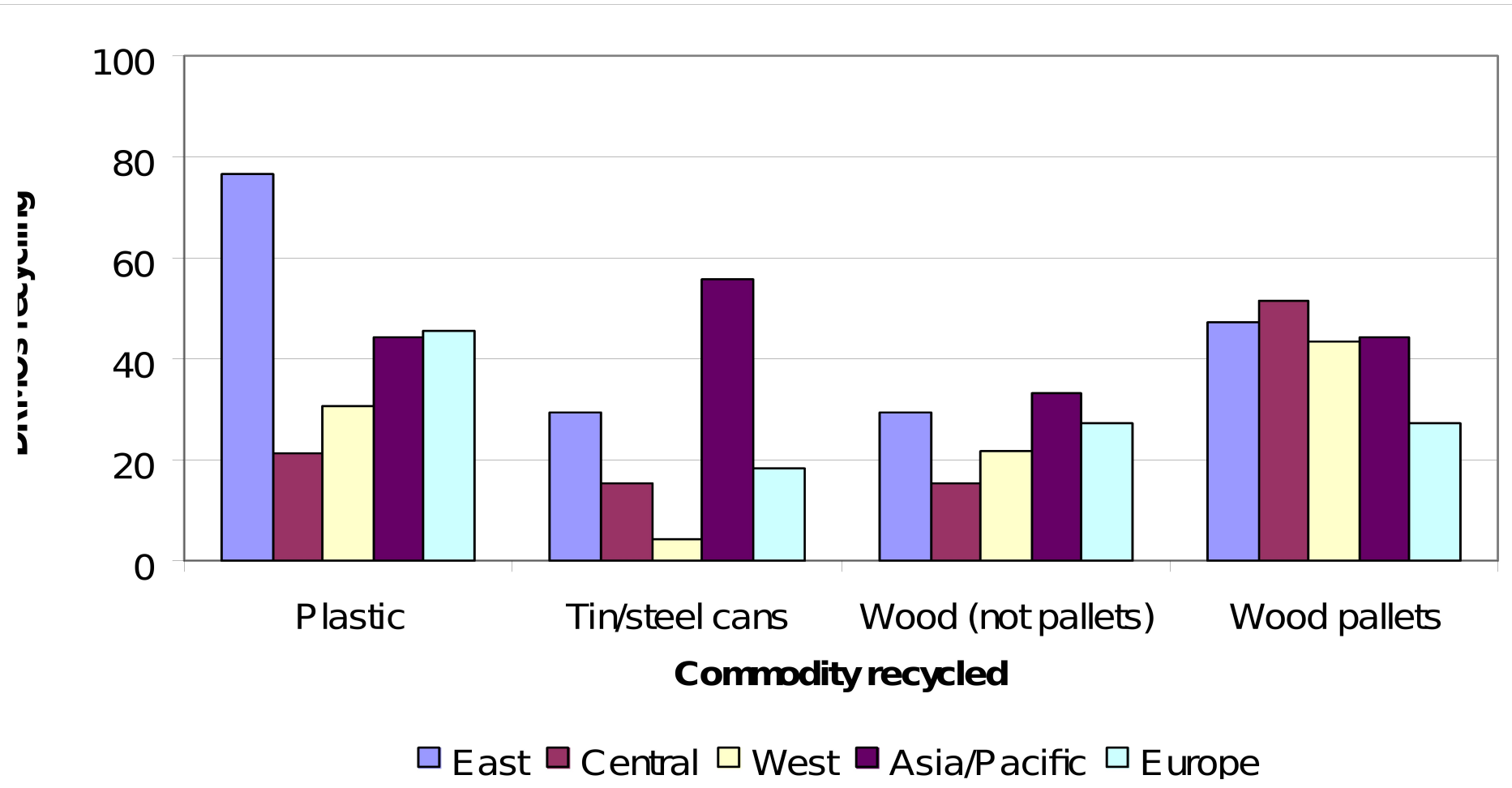


# Results of DRMO Recycling Data Call



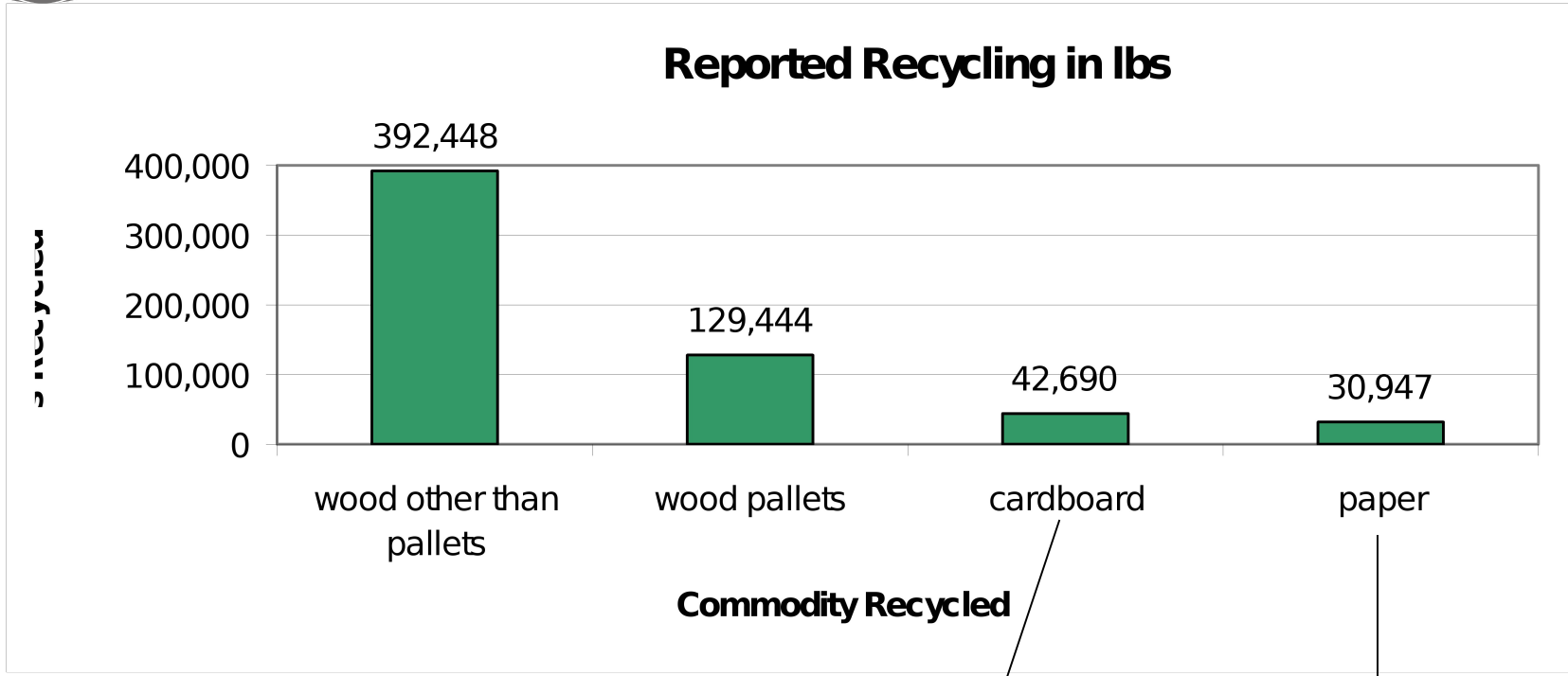


# Results of DRMO Recycling Data Call





# Results of DRMO Recycling Data Call

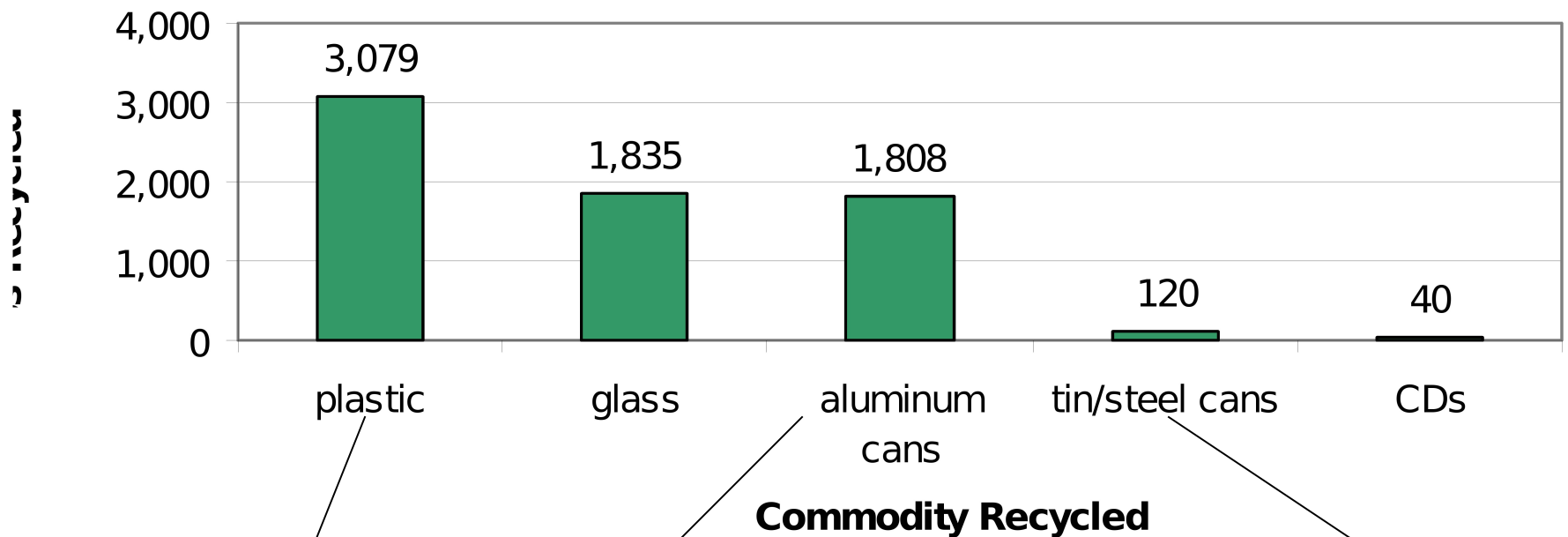


- 189 yd<sup>3</sup> landfill space
- 23.1 barrels of oil
- 8,190 kWh energy
- 54.5 yd<sup>3</sup> landfill space
- 115,000 gallons H<sub>2</sub>O
- 16.5 metric tons CO<sub>2</sub>
- Power 8 homes for a year



# Results of DRMO Recycling Data Call

Reported Recycling in lbs



• 1.92 tons CO2 equivalent

• 61,472 cans (34 cans ~ 1 lb)

• Saved equivalent of 1,537 gallons of gas

• Saved enough electricity to light a 100 watt bulb  
24/7 for 28 years

• 150 lbs iron

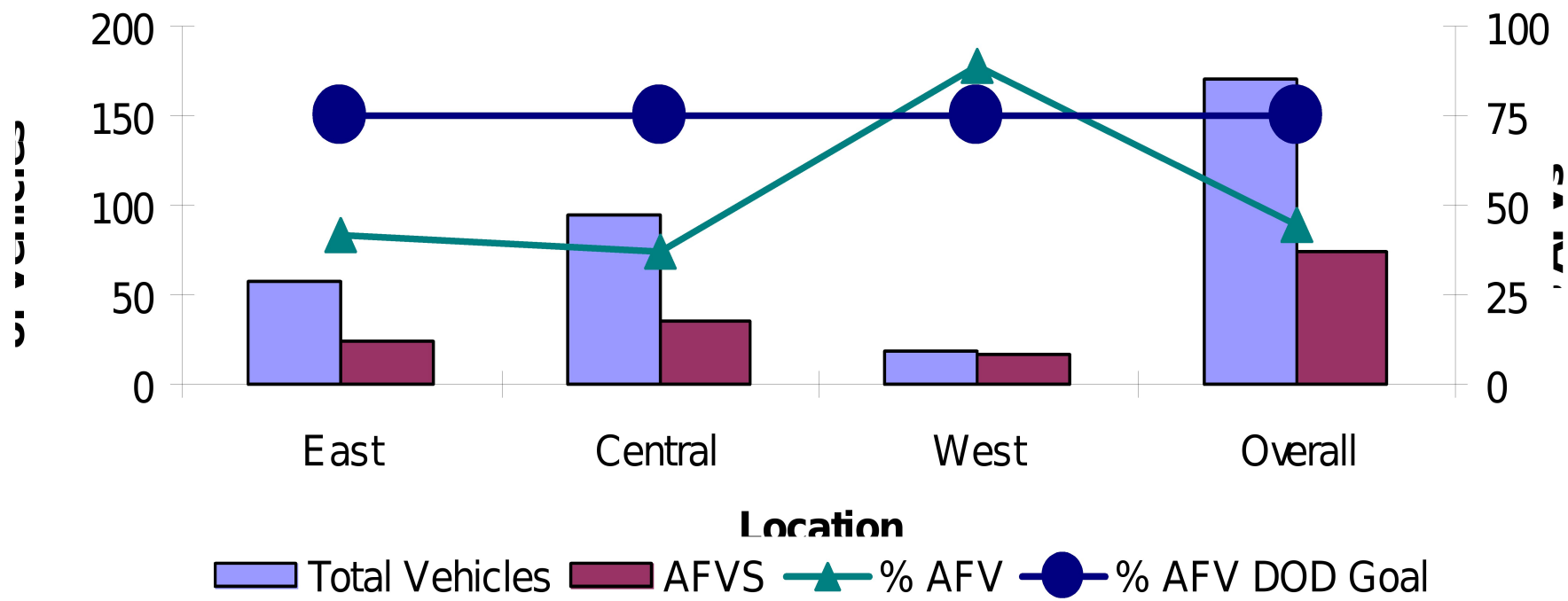
• 84 lbs coal

• 7 lbs limestone



# Results of DRMO Recycling Data Call

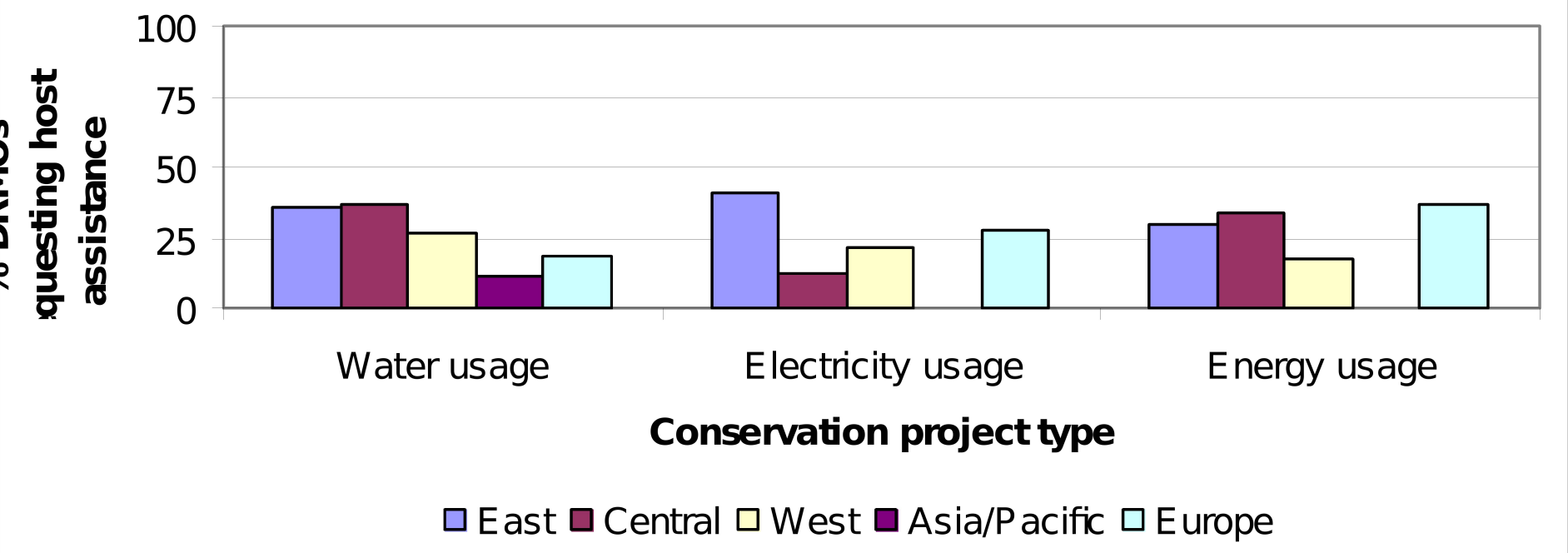
## Alternative Fuel Vehicles (AFVs)





# Results of DRMO Recycling Data Call

## Water/Electricity/Energy Conservation Projects





# Results of DRMO Recycling Data Call

- Where do we go from here?
  - Improve data call questions and accuracy of responses
    - Information used to respond to annual DOD data call
  - DSDs consider setting DSD Objectives for recycling
    - Cardboard
    - Paper
    - Household type metals such as soup and soda cans (put in scrap piles or participate in Host/MWRS program)
  - Continue identifying AFVs during annual vehicle requests
  - Continue requesting/coordinating with host for improvements to reduce water, electrical and energy use





# 2009 Draft Aspects

- Will recommend at next biannual management review with DRMS HQ management team that no changes be made to existing aspects

Hazardous waste	Universal waste	Air emissions	Electricity
Natural resources	Scrap/used tires	Scrap metal	Water use
Hazardous material	Heating/cooling	Storm water	Solid waste
Radiation monitoring			



# 2009 Draft EMS Objectives and Targets

- Draft Core Objectives
  - Continue current awareness efforts for water/electricity conservation and AFV acquisition
  - Promote recycling of CDs through HDI-FC program



# 2009 Draft EMS Objectives and Targets

- Draft HQ objectives
  - Improve Customer Service (J-38)
    - Update customer service guide with EMS/green info (recycling CLINs, PMRP, green tree project, etc.)
    - Order Green items for promotions
  - Improve environmental regulatory awareness (J-33)
    - Review regulatory changes and comment at staff meetings
    - Provide field with links to state regulatory updates (i.e. EPA regional reviews)
  - Improve Green Procurement visibility
    - Develop Green procurement baseline metric based on data in ERLS/GPR
  - Increase precious metals recycling rates (J-362)
    - Develop quick training info (e.g. 2 slides or 1 page handout for DSRs) on PMRP
  - Incorporate requirements recommended by EPA (RCRA 6002) environmental procurement guidance in Consolidated recovered materials advisory notice (RMAN) into MHE contracts (J-33/J-7)



# 2009 Draft EMS Objectives and Targets

- Core HQ objectives
  - Continue awareness efforts for conservation of electricity, water and energy
  - Continue effort to acquire AFVs
  - Develop Objective to increase recycling of CDs/floppy disks with 25% increase in DRMO participation



# Future Direction

- Request training for EMRs in FY09
  - Class for DSD Asia/Pacific (in Japan?)
  - Web based/teleconference class for CONUS
- DSD consider establishing an objective and target
  - For example, use recycling data, and establish goal of expanding cardboard recycling by 10, 20, 30%
- Incorporate EMS principles in Lean Six Sigma projects at the DRMO/within the DSD
  - Report “green savings” such as CO2 reductions, fuel saved, paper saved, landfill space saved, etc.



# EMS Information

- For additional information contact:

James Chitty, DRMS J-33

DSN 661- 7014, Commercial (269)-961-7014

james.chitty@dla.mil

Robert Provot, DRMS J-33

DSN 661-7598, Commercial (269)-961-7598

robert.provot@dla.mil

- DRMS EMS program on line for DRMS users at:  
<https://eworkplace.dla.mil/sites/org/drms/Pages/EMS.aspx>